Shubh Kabra

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Education

University of Illinois At Urbana-Champaign   **Champaign, Illinois**
B.S. Computer Science and Statistics (**GPA:** 3.5/4.0)   *August 2018 – August 2022*
Coursework : Data Structures, Algorithms and Models of Computation, Applied Machine Learning, Systems Programming, Computer Architecture, Statistical Analysis, Statistics Programming Methods.

Work Experience

Meta (Facebook)   **Seattle, WA**
Software Engineer   *August 2022 – Present*

- Working on detecting failures and computing metrics in real time on Messenger, Instagram, and Whatsapp audio, video calls using an event driven architecture in **C++** and **Python**.

BitGo   **Remote**
Software Engineer Intern   *May 2022 – August 2022*

- Replaced interfaces with codecs to improve type checking within multiple micro-services using io-ts library and **Typescript**.
- Added functionality in the backend and implemented the UI for users to view all historical deposits for all respective deposit addresses. Used **React** and **Typescript**.

PreVeil   **Boston, MA**
Software Development Intern   *May 2021 – August 2021*

- Improved the user experience of the account recovery flow with QR codes in a zero-trust system using **Python, SQLite** on the Backend and **Angular, Redux, TypeScript** on the Frontend.
- Improved the user functionality of PreVeil Drive by implementing group sharing using **Golang, Python, Typescript** and **Angular**.

CME Group   **Champaign, IL**
Software Engineer Intern   *Jan 2020 – August 2020*

- Designed and developed a library to consume streaming data from **Google Cloud Platform** via **Java** through **Google PubSub API**.
- Implemented a testing suite using **Selenium** , **Cucumber**, and **Java** with **99%+** accuracy to automate the testing of pre-existing application and reduced testing time by **90%**.
- Worked with a team in implementing a fault tolerance library using **UDP networking**, and **JUnit** tests in **Java**.

Projects

- **Donero :** Designed, created, marketed and launched a map-based app with over 500 users on the Google Play Store to help homeless people in India get leftover food from households that would throw it out using **Google Maps API**, **Android**, and **Java**.
- **OmniCalc :** Developed an android calculator for blind people that can solve polynomial and differential problems with voice commands. Used mXparser library, **Google Voice API**, **Java**, **Android**, and **Android Studio**.

Skills

Languages: Python, Java, Typescript, C++, Javascript, C, SQL, SQLite, PostgreSQL, HTML, CSS, R
Software/Technologies: React.js, Node.js, Git, Flask, Redux, AngularJS, Java SpringBoot, JIRA, Android Studio, Linux, Unix, Selenium, Cucumber, AWS.

Interests

Trading: Avid student of financial markets. Market making, trading crypto pairs on Kucoin, FTX-US, and Binance-US using CCXT and CCAPI library. Trading equity and index options for 2+ years.

Badminton: Learning and playing badminton for over 8 years; competed in professional tournaments.